

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Lubert Stryer

Application No.: Unassigned

Filed: Herewith

For: COMPUTER-AIDED NUCLEIC  
ACID SEQUENCING

Atty. Docket No.: AFFYP002C1

Examiner: Unassigned

Group: Unassigned

Date: December 11, 2001



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on December 11, 2001.

Signed: \_\_\_\_\_

*Jacquie M. Vo*  
Jacquie M. Vo

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.56 AND 1.97(c)

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 08/618,834. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because

the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed within three (3) months of the filing date of the above-referenced application. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-1652 (Order No. AFFYP002C1).

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael J. Ritter", written in a cursive style.

Michael J. Ritter  
Reg. No. 36,653

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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	AFFYP002
	Application No.:	08/618,834
	Inventor	LUBERT STRYER
	Group	1634
	Filing Date	March 16, 1996



### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,470,710	11/95	Weiss et al.	435	6	
	B	5,273,632	12/93	Stockham et al.	204	180.1	
	C	4,741,043	4/88	Bacus	382	6	
	D	4,965,725	10/90	Rutenberg	364	413.1	
	E	5,525,464	6/96	Drmanac et al.	435	6	
	F	5,527,681	6/96	Holmes	435	6	
	G	5,002,867	3/91	Macevicz	435	6	
	H	5,143,854	9/92	Pirrung et al.	436	518	
	I	5,202,231	4/93	Drmanac et al.	435	6	
	J	5,235,626	8/93	Flamholz et al.	378	34	
	K	5,288,514	2/94	Ellman	427	2	
	L	5,384,261	1/95	Winkler et al.	436	518	
	M	5,445,934	8/95	Fodor et al.	435	6	
	N	5,492,806	2/96	Drmanac et al.	435	5	
	O	5,503,980	4/96	Cantor	435	6	
	P	5,200,313	4/93	Carrico	435	6	
	Q	5,733,729	3/98	Lipshutz	435	6	

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	R	WO 95/35505	12/95	PCT				
	S	WO 89/10977	11/89	PCT				
	T	WO 92/10588	6/92	PCT				
	U	WO 92/10092	6/92	PCT				
	V	WO 95/11995	5/95	PCT				

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	W	Drmanac et al., "DNA sequencing determination by hybridization: a strategy for efficient large scale sequencing," 1993, Science 260 1649-1652.
	X	Strezoska et al., "DNA sequencing by hybridization: 100 base read by a non-gel based method," 1991, PNAS 88 10089-1093.
	Y	Fodor, et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis, Science, Vol. 251, Feb. 15, 1991, p. 767-773

	Z	Brown, et al., "An Inexpensive MSI/LSI Mask Making System" Proceedings of 1981 Univ. Govt. Indus. Microelec. Symposium, May 26-27, 1981, pp. III-31 through III-38.
	AA	Dear, et al., "A Sequence Assembly and Editing Program for Efficient Management of Large Projects, Nucleic Acids Research, Vol. 19, No. 14, 1991 Oxford Univ. Press, pp. 3907-3911
	BB	Drmanac et al., "An algorithm for the DNA sequencing generation from k-Tuple word contents of the minimal number of random fragments," 1991, J. of Biomolecular Structure & Dynamics 8 1085-1102.
	CC	Drmanac, "Doctoral dissertation," Beograd, 1988. (English translation enclosed)
	DD	"Designer PCR™," August 11, 1994, Advertisement from Research Genetics, Nucleic Acids Research, Vol. 22, No. 15.
	EE	"Does your sequence analysis program offer the features and flexibility you need?" January 11, 1993, Team Associates Inc., Nucleic Acids Research, Vol. 21, No. 1.
	FF	Dierick et al., "Incorporation of dITP or 7-deaza dGTP during PCR improves sequencing of the product," September 11, 1993, Nucleic Acids Research, Vol. 21, No. 18, pgs. 4427-4428.
	GG	Frech et al., "Computer assisted prediction, classification, and delimitation of protein binding sites in nucleic acids," April 11, 1993, Nucleic Acids Research, Vol. 21, No. 7, pgs. 1655-1664.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.